ViewSonic®

PJ458D

DLP Projector

- User Guide
- Guide de l'utilisateur
- Bedienungsanleitung
- Guía del usuario
- Guia do usuário
- Руководство пользователя
- 使用手冊
- 使用手冊
- 사용자 안내서

ViewSonic®

Compliance Information

For U.S.A.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) The device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Warning

To assure continued FCC compliance, the user must use grounded power supply cord and the cables which are included with the equipment or specified. Also, any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

For Canada

- This Class B digital apparatus complies with Canadian ICES-003.
- Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

For European Countries

CE Conformity

CE The device complies with the requirements of the EEC directive 89/336/EEC as amended by 92/31/EEC and 93/68/EEC Art.5 with regard to "Electromagnetic compaty", and 73/23/EEC as amended by 93/68/EEC Art.13 with regard to "Safety."

User Information for all Countries

Notice: Use the cables which are included with the unit or specified.

Important Safety Instructions

1. Read these instructions completely before using the equipment.

2. Keep these instructions in a safe place.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this equipment near water.

6. Clean with a soft, dry cloth. If further cleaning is required, see "Cleaning the Display" in this guide for further instructions.

7. Do not block any ventilation openings. Install the equipment in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.

9. Do not attempt to circumvent the safety provisions of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the plug does not fit into your outlet, consult an electrician for replacement of the outlet.

10. Protect the power cord from being tread upon or pinched, particularly at the plug, and the point where if emerges from the equipment. Be sure that the power outlet is located near the equipment so that it is easily accessible.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the equipment. When a cart is used, use caution when moving the cart/equipment combination to avoid injury from tipping over.

13. Unplug this equipment when it will be unused for long periods of time.

14. Refer all servicing to qualified service personnel. Service is required when the unit has been damaged in any way, such as: if the power-supply cord or plug is damaged, if liquid is spilled onto or objects fall into the unit, if the unit is exposed to rain or moisture, or if the unit does not operate normally or has been dropped.

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For Your Records

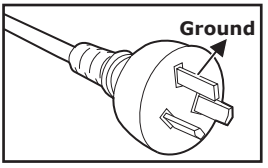
Product Name:	**PJ458D** **ViewSonic DLP Projector**
Model Number:	**VS10872**
Document Number:	**PJ458D-1_UG_ENG Rev.1B 10-26-05**
Serial Number:	_____
Purchase Date:	_____

The lamp in this product contains mercury.
Please dispose of in accordance with local, state or federal laws.

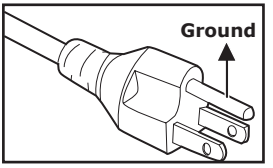
Notes on AC Power Cord

AC Power Cord must meet requirement of country where you use a projector. Confirm an AC plug type with graphics below and proper AC Power Cord must be used. If supplied AC Power Cord does not match your AC outlet, contact your sales dealer.

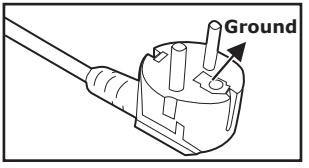
This projector is equipped with a grounding type AC line plug. Make sure that your outlet fits the plug. Do not defeat the safety purpose of this grounding type plug. We highly recommend using a video source device also equipped with a grounding type AC line plug to prevent from signal interference due to voltage fluctuation.



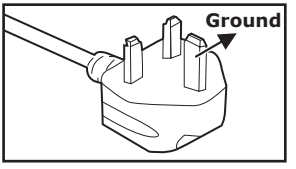
For Australia and Mainland China



For the U.S.A. and Canada



For Continental Europe



For the U.K.

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Product Introduction

Projector Features

The projector integrates high-performance optical engin e projection and a user-friendly design to deliver high reliability and ease of use.

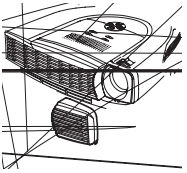
The projector offers the following features:

- Single chip 0.55” Texas Instruments DLP™ technology
- XGA (1024 x 768 pixels)
- Compact size, light weight for portability
- 1.2x manual zoom lens
- Auto image re-sizing (Auto-Sync.) to 1024 x 768 full screen with scaling compression compatibility for VGA, SVGA, XGA and SXGA*.
- State-of-the-art motion adaptive hardware deinterlacing with 3:2 pull down
- 200-watt, user-replaceable lamp
- Compatibility with Macintosh® computers
- Compatibility with NTSC, PAL, SECAM, and HDTV
- Multi-function remote control
- D-Sub 15-pin cable for analog video connectivity
- User-friendly, multi-language on-screen display (OSD)
- Advanced electronic keystone correction

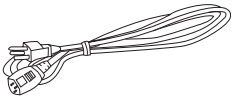
** means compressed.*

Package Contents

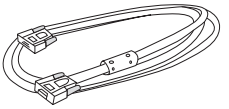
When you unpack the projector, make sure you have all these components:



Projector with Lens Cap



AC Power Cord



VGA Cable (D-SUB to D-SUB)

S-Video Cable

Composite Video Cable

Audio Cable

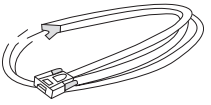
Battery for Remote Control

Remote Control (IR)

Projector Soft Case

Quick Start Guide

Optional Accessory:



Wizard CD

VGA (D-SUB) to HDTV (RCA) Cable

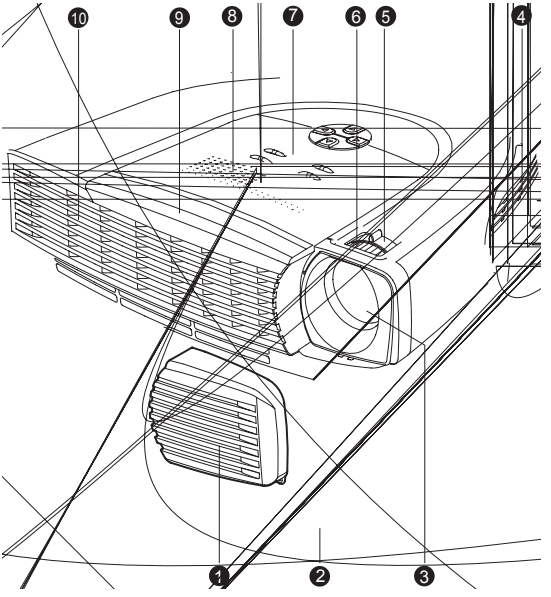
NOTE

- *Save the original shipping carton and packing material; they will come in handy if you ever to ship your unit. For maximum protection, repack your unit as it was originally packed at the factory.*
- *Accessories and components may vary by retailer and region.*

Getting to Know the Projector

Projector Components

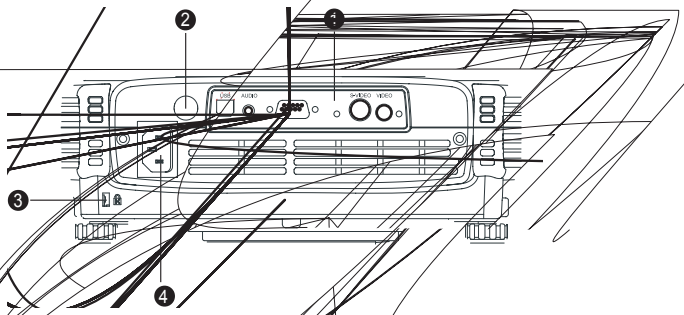
Front View



1. Lens cap
2. Lens cap strap
3. Lens
4. Ventilation holes (intake)
5. Zoom ring
6. Focus ring
7. Control panel
8. Speaker
9. Front IR remote control sensor
10. Ventilation holes (exhaust)

Rear View

1. Interface connector
2. Rear IR remote control sensor
3. Security lock receptacle
4. AC power socket
5. Ventilation holes (intake)
6. Foot adjuster
7. Foot adjuster button



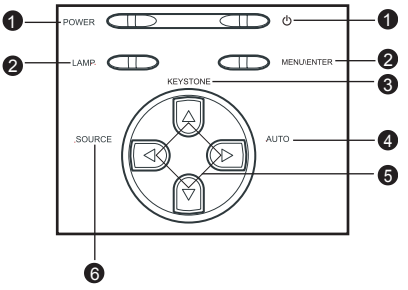
Bottom View

1. Lamp cover

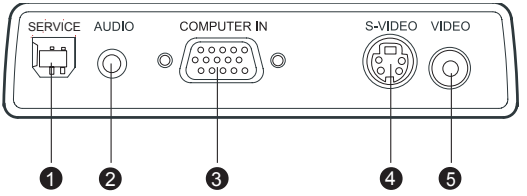
Control Panel

LED
1. POWER (Power LED indicator)
2. LAMP (Lamp LED indicator)

Button
1. ⏻
2. MENU\ENTER
3. KEYSTONE (/)
4. AUTO ( )
5. Four direction buttons
6. SOURCE ( )



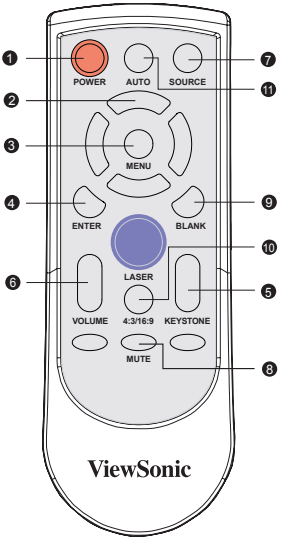
Interface Connector



1. Service connector
   This connector is used for engineering purpose.
2. AUDIO input connector
   Connect an audio output from video equipment to this jack.
3. COMPUTER IN (D-SUB) connector
   Connect image input signal (analog) to this connector.
4. S-VIDEO connector
   Connect S-Video output from video equipment to this jack.
5. VIDEO connector
   Connect composite video output from video equipment to this jack.

Remote Control Components

1. ⏻ Power button
2. Four direction buttons
3. Menu button
4. Enter button
5. Keystone / buttons
6. Volume / buttons
7. Source button
8. Mute button
9. Blank button
10. 4:3/16:9 button
11. Auto button



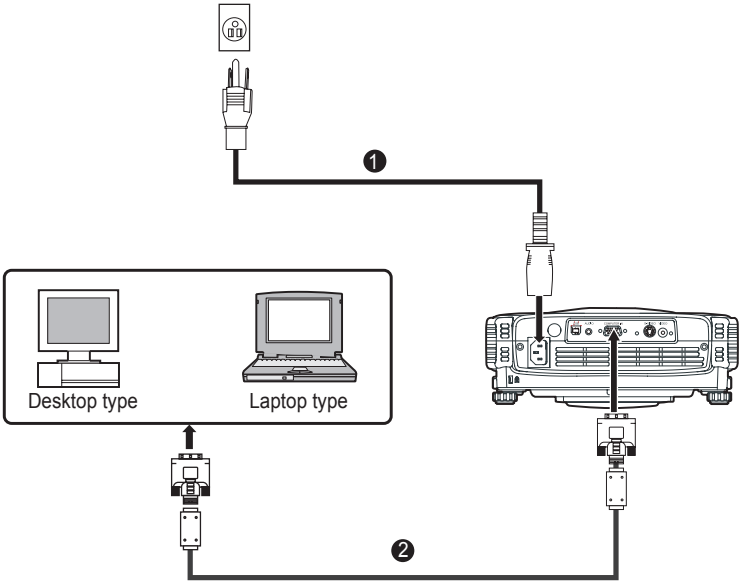
Installation

Connecting the Projector

A. Connecting to a computer

① AC Power Cord

② VGA Cable (D-SUB to D-SUB)



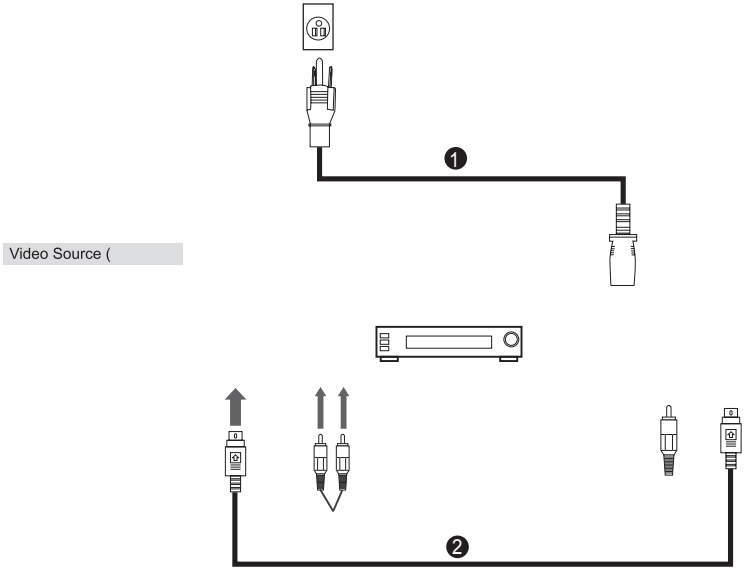
B. Connecting to a Video Source

1.Connecting with S-Video Cable

① AC Power Cord

② S-Video Cable

③ Audio Cable

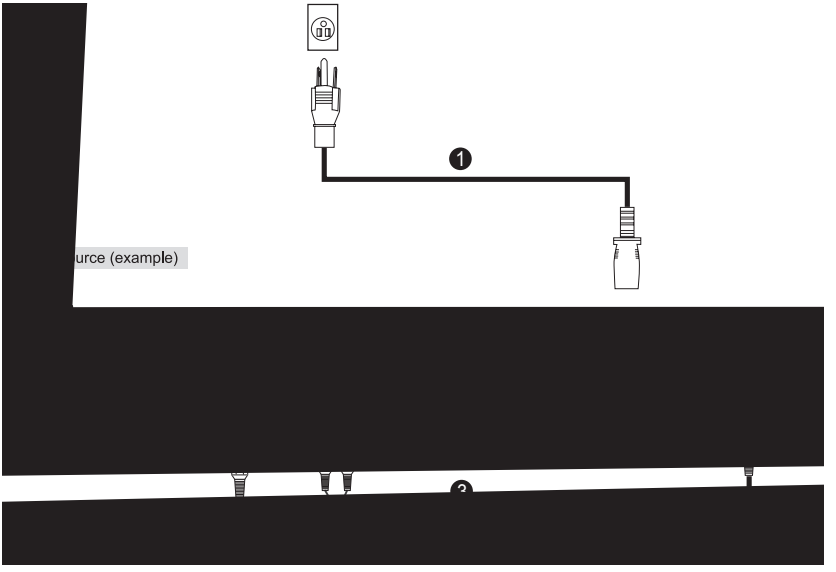


2.Connecting with Composite Video Cable

① AC Power Cord

② Composite Video Cable

③ Audio Cable



Powering On/Off the Projector

Powering On the Projector:

1. Remove the projector lens cap.
2. Complete the AC power cord and peripheral signal cable(s) connections.
3. Press the ⏻ button on the Projector Control Panel or the ⓘ Power button on the Remote Control to turn on the power.
4. Turn on your source (computer, notebook, DVD, etc.). The projector automatically detects your source.
   - If the “Searching for source” message appears on the screen, ensure that the appropriate signal cable(s) are securely connected.
   - If you are connecting multiple sources to the projector simultaneously, press the SOURCE button on the Projector Control Panel or the Source button on the Remote Control to select the desired source.

Warning:

- Never look into the lens when the lamp is on. This can damage your eyes. It is especially important that children are not allowed to look into the lens.

Powering Off the Projector:

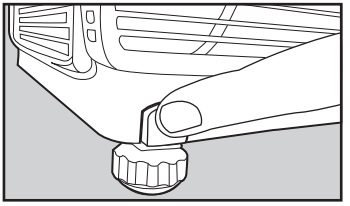
1. Press the ⏻ button on the Projector Control Panel or the ⓘ Power button on the Remote Control. A message will appear on the screen:

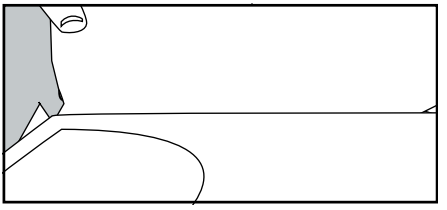
2. Press the ⏻ button on the Projector Control Panel or the ⓘ Power button on the Remote Control again to turn off the power. Wait until the lamp LED indicator turns off.

Please wait until the fan motor and the lamp LED turn off before removing the AC power cord from the projector.

Adjusting the Projected Image

Adjusting the Projector Height





To raise the projector:

1. Lift up the rear side of the projector, and press the foot adjuster buttons on the two sides.
2. Raise the projector to the desired display height, and then release the buttons to lock the foot adjusters into position.

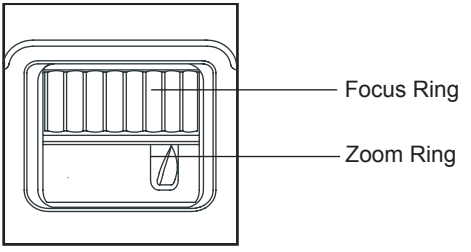
To lower the projector:

1. Lift up the rear side of the projector, and press the foot adjuster buttons on the two sides.
2. Lower the projector, and then release the buttons to lock the foot adjusters into position.

NOTE

- *You may turn the foot adjuster to make fine adjustment of the height.*
- *To avoid damaging the projector, make sure that the foot adjuster is fully retracted before placing the projector in its carrying case.*

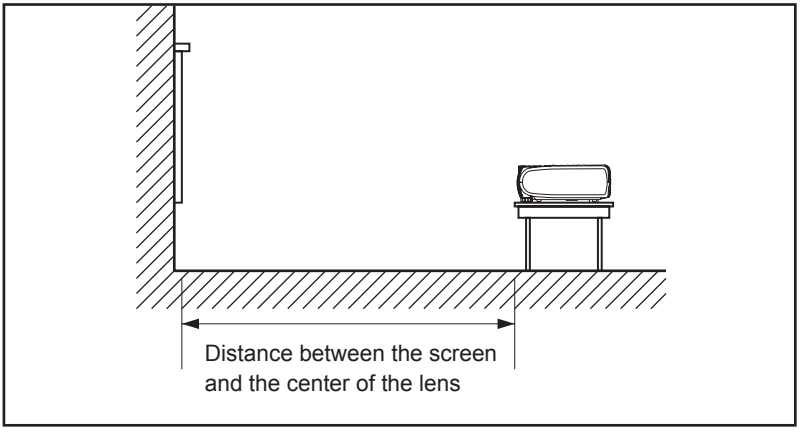
Adjusting the Projector Zoom and Focus



1. Adjust the image size by rotating the zoom ring.
   Rotate to the right to reduce the image.
   Rotate to the left to enlarge the image.
2. Focus the image by rotating the focus ring.
   A still image is recommended for focusing.

Adjusting Projection Image Size

Refer to the graphic and table below to determine the screen size and projection distance.



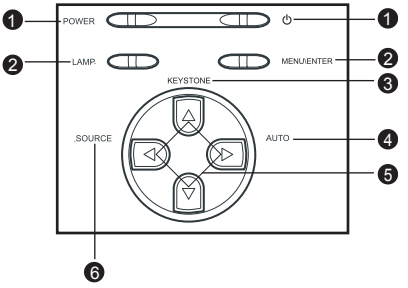
Projection Distance (m)	4 : 3 Screen Size –Diagonal (inch)		16 : 9 Screen Size-Diagonal (inch)	
	Wide	Tele	Wide	Tele
1.2	33.0	27.5	30.2	25.2
1.5	41.2	34.3	37.8	31.5
2	55.0	45.8	50.4	42.0
2.2	60.5	50.4	55.5	46.2
3	82.5	68.7	75.7	63.1
4	110.0	91.6	100.9	84.1
5	137.5	114.5	126.2	105.1
6	165.0	137.5	151.4	126.2
7	192.5	160.4	176.6	147.2
8	220.0	183.3	201.9	168.2
9	247.5	206.2	227.1	189.3
10	275.0	229.1	252.4	210.3

* This table is for user reference only.

- *Position the projector in a horizontal position; other positions can cause heat build-up and damage to the projector.*
- *Make sure the heat ventilation holes are not blocked.*
- *Do not use the projector in a smoky environment. Smoke residue may cause buildup on critical parts (i.e. DMD, lens assembly, etc.)*

Using the Projector

Control Panel



LED

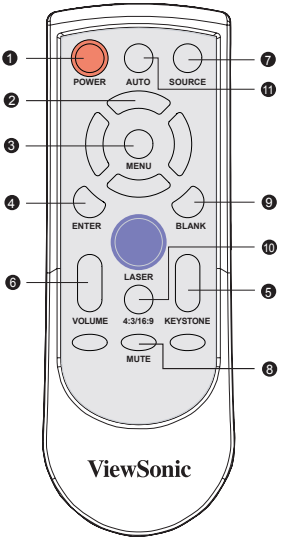
1. POWER (Power LED indicator)
   Refer to “Indicator Messages”.
2. LAMP (Lamp LED indicator)
   Refer to “Indicator Messages”.

Button Function

1. ⏻
   Refer to “Powering On/Off the Projector”.
2. MENU \ ENTER
   Press the MENU\ENTER button to activate the OSD (On-Screen Display) menu. Use the directional buttons and MENU\ENTER button to navigate through the OSD (On-Screen Display) menu and select choices.
3. KEYSTONE (/)
   Adjusts image distortion caused by tilting the projector.
4. AUTO ( )
   Automatically adjusts frequency and phase.
5. Four direction buttons
   The four direction buttons / / / can be used to scroll through OSD (On-Screen Display) menus and make adjustments.
6. SOURCE ( )
   Manually selects an input source.

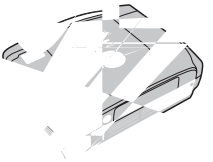
Remote Control

1. ⏻ Power
   Refer to “Powering On/Off the Projector”.
2. Four direction buttons
   The four direction buttons / / / can be used to scroll through OSD (On-Screen Display) menus and make adjustments.
3. Menu
   Press the Menu button to activate the OSD (On-Screen Display) menu. Use the directional buttons and Menu button to navigate through the OSD (On-Screen Display) menu.
4. Enter
   Confirms the selection
5. Keystone /
   Adjusts image distortion caused by tilting the projector.
6. Volume /
   Press the Volume button to increase the volume; press the Volume button to reduce the volume.
7. Source
   Manually selects an input source.
8. Mute
   Cuts off the sound temporarily.
9. Blank
   Cuts off the screen temporarily.
10. 4:3/16:9
    Press the 4:3/16:9 to switch the image aspect ratio from 4:3 to 16:9.
11. Auto
    Automatically adjusts frequency and phase.



Battery Replacement

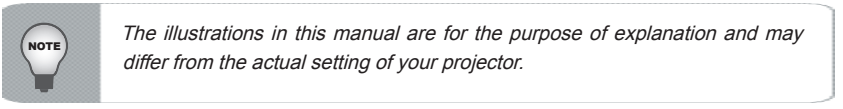
- Keep the battery out of the reach of children. There is a danger of death by accidentally swallowing the battery.
- Do not recharge the used battery or expose the battery to fire or water.
- Do not dispose of the used battery along with household waste. Dispose of used batteries according to local regulations.
- Avoid excessive heat and humidity. Danger of explosion may happen if a battery is incorrectly replaced. Replace only with the same type recommended by the manufacturer.



Menu Options

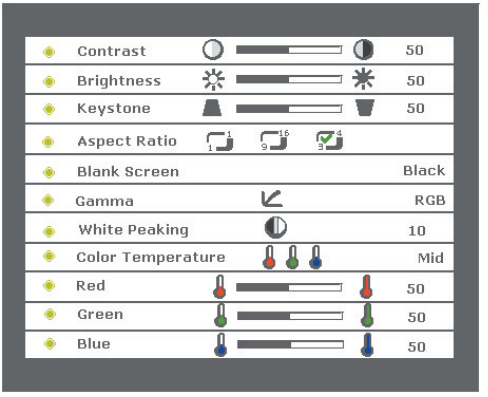
The projector has multi-language OSD (On-Screen Display) menus that can only be displayed when an input source is present. The menus can be accessed using either the Projector Control Panel or the Remote Control.
The OSD (On-Screen Display) menus allow you to make image adjustments and change a variety of settings. If source is a computer, the OSD (On-Screen Display) allows changes to the Display tab. When using a video source, the OSD (On-Screen Display) allows changes to the Video tab. The projector automatically detects the source.

1. Press the MENU\ENTER button on the Projector Control Panel or the Menu button on the Remote Control.
2. Select the menu tab with the / buttons either on the Projector Control Panel or the Remote Control.
3. Select the desired menu option item with the / buttons either on the Projector Control Panel or the Remote Control.
   - To enter its respective sub-menu, refer to each menu option section for more details.
4. To exit from the menu:
   - On the Projector Control Panel: Go back to main menu tab with the / buttons, and press the MENU\ENTER button.
   - On the Remote Control: press the Menu button.



The illustrations in this manual are for the purpose of explanation and may differ from the actual setting of your projector.

Image

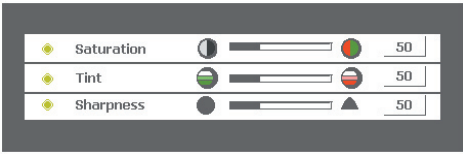


Option	Actions/Descriptions
Contrast	Controls the degree of difference between the lightest and darkest parts of the picture. Adjusting the contrast changes the amount of black and white in the image. Select the desired setting with the / buttons: ■ Press the button to decrease the contrast. ■ Press the button to increase the contrast.
Brightness	Adjusts the brightness of the image. Select the desired setting with the / buttons: ■ Press the button to darken the image. ■ Press the button to lighten the image.
Keystone	Adjusts image distortion caused by tilting the projector. Select the desired setting with the / buttons: ■ Press the button to reduce the upper width. ■ Press the button to reduce the lower width.
Aspect Ratio	Selects this function to fit 1:1, 16:9, 4:3 aspect ratio. In order to use the 1:1 aspect ratio, the input must be a computer signal (through VGA cable) of resolution less than SVGA (800 x 600). If the input signal is a computer signal greater than SVGA or component 1080i / 720p, only 16:9 or 4:3 aspect ratio will be available.

	Select the desired setting with the / buttons: ■ 1:1: The input source will be displayed without scaling ■ 16:9: The input source will be displayed in wide screen mode (16:9) without scaling. The source will be scaled to fit the width of the screen. ■ 4:3: The input source will be scaled to fit the screen.
Blank Screen	Blanks the screen temporarily, and selects the screen color when Blank Screen is active. Select the desired setting with the / buttons: ■ White ■ Black ■ Blue ■ Gray ■ Red ■ Green ■ Yellow ■ Cyan ■ Magenta
Gamma	Selects Gamma Mode. Select the desired setting with the / buttons: ■ Film : Dark video image mode ■ Photographic: Computer photo mode ■ RGB: Computer text mode ■ Video : Common video mode
White Peaking	White Peaking can be adjusted between 0 and 10. Select the desired setting with the / buttons: ■ Setting 10 will maximize the brightness. ■ Setting 0 will maximize color reproduction quality.
Color Temperature	Adjusts the color temperature. With the higher temperature, the screen looks colder; with the lower temperature, the screen looks warmer. Red, Green and Blue mode activate only if the Color Temperature is set to “User”.

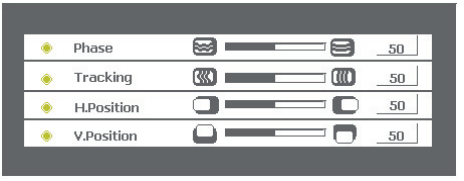
	Select the desired setting with the / buttons: ■ Hi ■ Mid ■ Low ■ User
Red	Manually adjusts red. Select the desired setting with the / buttons: ■ Press the button to decrease the color temperature. ■ Press the button to increase the color temperature.
Green	Manually adjusts green. Select the desired setting with the / buttons: ■ Press the button to decrease the color temperature. ■ Press the button to increase the color temperature.
Blue	Manually adjusts blue. Select the desired setting with the / buttons: ■ Press the button to decrease the color temperature. ■ Press the button to increase the color temperature.

Video



Option	Actions/Descriptions
Saturation	Adjusts a video image from black and white to fully saturated color. Select the desired setting with the / buttons: ■ Press the button to decrease the amount of color in the image. ■ Press the button to increase the amount of color in the image.
Tint	Adjusts the color balance of red and green. Select the desired setting with the / buttons: ■ Press the button to increase the amount of green in the image. ■ Press the button to increase the amount of red in the image.
Sharpness	Adjusts the sharpness of the image. Select the desired setting with the / buttons: ■ Press the button to decrease the sharpness. ■ Press the button to increase the sharpness.

Display

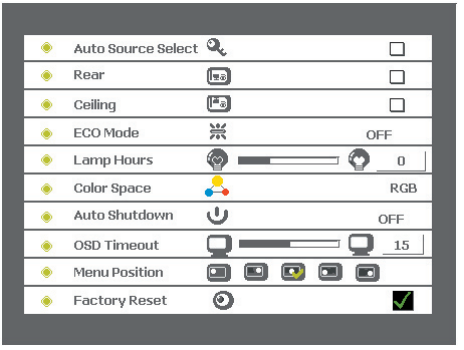


Option	Actions/Descriptions
Phase	Synchronizes the signal timing of the display with that of the graphic card. If you experience an unstable or flickering image, use the phase function to correct it. Select the desired setting with the / buttons: ■ Press the button to decrease the value. ■ Press the button to increase the value.
Tracking	Changes the display data frequency to match the frequency of your computer graphic card. If you experience a vertical flickering bar, use the tracking function to make an adjustment. Select the desired setting with the / buttons: ■ Press the button to decrease the value. ■ Press the button to increase the value.
H.Position	Adjusts the horizontal position. Select the desired setting with the / buttons: ■ Press the button to move the image left. ■ Press the button to move the image right.
V.Position	Adjusts the vertical position. Select the desired setting with the / buttons: ■ Press the button to move the image up. ■ Press the button to move the image down.

Language

Option	Actions/Descriptions
Language	Selects the language for menu and message displayed. Select the language you prefer with the / buttons, and confirm the selection with the MENU\ENTER button on the Projector Control Panel or the Enter button on the Remote Control. ■ English ■ Deutsch ■ **简体中文** ■ **日本語** ■ Français ■ Español ■ Português ■ Italiano ■ **Русский** ■ **繁體中文** ■ 한국어

Advanced



Option	Actions/Descriptions
Auto Source Select	Automatically scans the input source. Press the MENU\ENTER button on the Projector Control Panel or the Enter button on the Remote Control to active this function.
Rear	The image is reversed horizontally. Press the MENU\ENTER button on the Projector Control Panel or the Enter button on the Remote Control to active this function.
Ceiling	The image is inverted vertically. Press the MENU\ENTER button on the Projector Control Panel or the Enter button on the Remote Control to active this function.
ECO Mode	Uses this function to dim the projector lamp light output which will lower power consumption and increase lamp life. Select the desired setting with the / buttons: ■ ON ■ OFF
Lamp Hours	Displays operating hours since lamp timer reset. Lamp hour counter is displayed in read-only format, and this setting cannot be manually adjusted.
Color Space	Manually selects signal type. Select the input signal type with the / buttons: ■ RGB ■ YCbCr ■ YPbPr

Auto Shutdown	Uses this function to automatically turn off the lamp if the projector does not detect an input signal for specified time period (30 minutes). Select the desired setting with the / buttons: ■ ON ■ OFF
OSD Timeout	Duration OSD (On-Screen Display) menu stays active (at idle state by second). Select the desired setting with the / buttons.
Menu Position	Selects the position of the OSD (On-Screen Display) menu on the screen. Select the desired setting with the / buttons.
Factory Reset	Resets the projector to its factory default settings. Press the MENU\ENTER button on the Projector Control Panel or the Enter button on the Remote Control to enter its sub-menu, select the desired setting with the / buttons, and confirm the selection with the MENU\ENTER button on the Projector Control Panel or the Enter button on the Remote Control again.

Audio

Option	Actions/Descriptions
Volume	Adjusts the volume. Select the desired setting with the / buttons: ■ Press the button to decrease the volume. ■ Press the button to increase the volume.
Mute	Cuts off the sound temporarily. Select the desired setting with the / buttons: ■ ON ■ OFF

Maintenance

The projector needs proper maintenance. You should keep the lens clean as dust, dirt or spots will project on the screen and diminish image quality. The only part you could replace yourself is the lamp. If any other parts need replacing, contact your dealer or qualified service personnel. When cleaning any part of the projector, always switch off and unplug the projector first.

Warning:

- Never open any of the covers on the projector except the lamp cover. Dangerous electrical voltages inside the projector can cause severe injury. Except as specifically indicated in this User's Manual, do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

Cleaning the Lens

Gently wipe the lens with lens cleaning paper. Do not touch the lens with your hands.

Cleaning the Projector Housing

Gently wipe with a soft cloth. If dirt and stains are not easily removed, use a soft cloth damped with water, or water and neutral detergent, and wipe dry with a soft, dry cloth.

- *Turn off the projector and remove the AC power cord from the power outlet before beginning maintenance work.*
- *Make sure the lens is cool before cleaning.*
- *Do not use detergents or chemicals other than those noted above. Do not use benzene or thinners.*
- *Do not use chemical sprays.*
- *Use a soft cloth or lens paper only.*

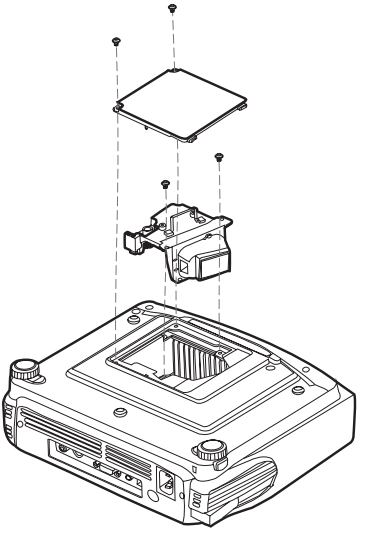
Replacing the Lamp

Projector lamps have a finite life. Replace the lamp when:

- The image becomes darker and hues become weaker after a lamp has been for a long period of time.
- The projector lamp LED indicator turns into red. Refer to section titled “Indicator Messages” for further details.

- *The lamp becomes high temperature after turning off the projector with the power button. If you touch the lamp, you may scald your finger. When you replace the lamp, wait for at least 45 minutes for the lamp to cool down.*
- *Do not touch the lamp glass at any time. The lamp may explode due to improper handling, including the touching of the lamp glass.*
- *Lamp lifetime may differ from lamp to lamp and according to the environment of use. There is no guarantee of the same lifetime for each lamp. Some lamps may fail or terminate their lifetime in a shorter period of time than other similar lamps.*
- *A lamp may explode as a result of vibration, shock or degradation as a result of hours of use as its lifetime draws to an end. Risk of explosion may differ according to the environment or conditions in which the projector and lamp are being used.*
- *Wear protective gloves and eyeglasses when fixing or detaching the lamp.*
- *Faster on-off-cycles will damage the lamp and reduce lamp life. Wait at least for 5 minutes to turn off the projector after powering on.*
- *Do not operate the lamp in proximity to paper, cloth, or other combustible material nor cover it with such materials. Otherwise it could cause a fire.*
- *Do not operate the lamp in an atmosphere containing an inflammable substance, such as thinner. Otherwise it could cause a fire or explosion.*
- *Thoroughly ventilate the area or the room when operating the lamp in an oxygen atmosphere (in the air). If ozone is inhaled, it could cause headaches, nausea, dizziness, etc.*
- *The inorganic mercury is involved in the lamp. If the lamp bursts, the mercury inside the lamp will go out of the projector. Leave the area immediately if the lamp shatters while being operated and ventilate the area for at least 30 minutes in order to avoid the inhalation of mercury fumes. Otherwise it could be harmful to user’s health.*

1. Turn off the projector and unplug the AC power cord.
2. Place a protective sheet (cloth) beneath the projector. Turn the projector over so you can access the lamp cover.
3. Remove the access panel screws and open the panel.
4. Remove the screws on the bottom of the lamp assembly.
5. Grasp the lamp handle and pull the lamp assembly directly out of the projector.
6. Replace with the new lamp.
7. Place back the screws on the bottom of lamp assembly.
8. Place the panel and screw back the screws on the lamp cover.



NOTE

- *Dispose of the used lamp according to local regulations.*
- *Ensure that screws are tightened properly. Screws not tightened fully may result in injury or accidents.*
- *Since the lamp is made of glass, do not drop the unit and do not scratch the glass.*
- *Do not reuse the old lamp. This could cause the lamp to explode.*
- *Be sure to turn off the projector and unplug the AC power cord before replacing the lamp.*
- *Do not use the projector with the lamp cover removed.*

Technical Specifications

Projection System	Single panel 0.55” DLP projector
Native resolution	786,432 dot x1 (1024 x 768 x1)
Lens	Manual Zoom (1.2X)
Focal Length	20.2 - 24.2 mm
Aspect Ratio	1:1, 16:9, 4:3
Screen Size	30 – 200 inches
Lamp	200W
Projection Type	Front, Rear, Ceiling
Video Input	PAL, NTSC, SECAM
Input Source	Computer, HDTV, S-Video, Video
Scanning Frequency Horizontal Freq. Vertical Freq. Pixel Rate	 31 / 79 KHz 56 / 85 Hz 135 MHz
Digital Keystone Correction	Vertical: +/- 15 degrees
Analog RGB (input signal)	D-Sub connector
HDTV Display	720p(60 Hz), 1080i(60 Hz)
Integrated Speaker	2W x 1
Remote Control	Multifunctional
OSD Language	Multilanguage
Operational Avmvient	Temperature: +5 - +35^{0}C Humidity: 10 - 85%
Certification	UL, CE, FCC Class B, CCC, TUV-GS,NOM, GOST-R, MIC, PSB
Power Supply	AC 100 - 240 V, 50 - 60 Hz
Power Consumption	250 Watts
Dimension (W x D x H)	254 x 202 x 98 mm
Weight	2.2 kg (4.9 lb)

Note: Design and Specifications are subject to change without prior notice.

Appendix

Indicator Messages

LED Type	Color	Status	Meaning
Power LED	Green	Flashing	The projector is powered and ready.
Power LED	Amber	Solid	The projector system has some problems with its fan, so the projector cannot start up.
Power LED	Green	Solid	The projector is in good condition on working.
Lamp LED	Green	Solid	The lamp is in good condition and is projecting at maximum brightness.
Lamp LED	Amber	Solid	The lamp has reached its end of life and must be changed soon. The lamp will continue to operate until it fails. Change the lamp. If the lamp is off, then the ballast will become malfunction.
Lamp LED	Green	Flashing	The projector is shutting down. The fan motor is cooling the lamp for shutdown. Do not unplug the power cable or turn the power switch off before the lamp LED turns off. The fan motor will turn off when the lamp has cooled.
Lamp LED	Amber	Flashing	Temperature is too high. The lamp will turn off.

Preset Signals

Preset signal		fH (kHz)	fV (Hz)	Sync	Size
640 x 480	VGA mode 3	31.469	59.940	H(-), V(-)	800
	VGA VESA 72 Hz	37.861	72.809	H(-), V(-)	832
	VGA VESA 75 Hz	37.500	75.000	H(-), V(-)	840
	VGA VESA 85 Hz	43.269	85.008	H(-), V(-)	832
800 x 600	SVGA VESA 56 Hz	35.156	56.250	H(+), V(+)	1024
	SVGA VESA 60 Hz	37.879	60.317	H(+), V(+)	1056
	SVGA VESA 72 Hz	48.077	72.188	H(+), V(+)	1040
	SVGA VESA 75 Hz	46.875	75.000	H(+), V(+)	1056
	SVGA VESA 85 Hz	53.674	85.061	H(+), V(+)	1048
1024 x 768	XGA VESA 60 Hz	48.363	60.004	H(-), V(-)	1344
	XGA VESA 70 Hz	56.476	70.069	H(-), V(-)	1328
	XGA VESA 75 Hz	60.023	75.029	H(+), V(+)	1312
	XGA VESA 85 Hz	68.677	84.997	H(+), V(+)	1376
1152 x 864	SXGA VESA 70 Hz	63.995	70.016	H(+), V(+)	1472
	SXGA VESA 75 Hz	67.500	75.000	H(+), V(+)	1600
	SXGA VESA 85 Hz	77.487	85.057	H(+), V(+)	1568
1280 x 960	SXGA VESA 60 Hz	60.000	60.000	H(+), V(+)	1800
	SXGA VESA 75 Hz	75.000	75.000	H(+), V(+)	1680
1280 x 1024	SXGA VESA 60 Hz	63.981	60.020	H(+), V(+)	1688

HDTV Preset Signals

Preset Signals	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
480i	15.8 kHz	60 Hz
480p	31.5 kHz	60 Hz
720p	45.0 kHz	60 Hz
1080i	33.8 kHz	60 Hz

Note: Specifications are subject to change without notice.

Limited Warranty
ViewSonic® Projector

What the warranty covers:

ViewSonic warrants its products to be free from defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will at its sole option repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

How long the warranty is effective:

North and South America: Three (3) years warranty for all parts excluding the lamp, three (3) years for labor, and one (I) year for the original lamp from the date of the first consumer purchase. Europe except Poland: Three (3) years warranty for all parts excluding the lamp, three (3) years for labor, and ninety (90) days for the original lamp from the date of the first consumer purchase. Poland: Two (2) years warranty for all parts excluding the lamp, two (2) years for labor, and ninety (90) days for the original lamp from the date of the first consumer purchase. Other regions or countries: Please check with your local dealer or local ViewSonic office for the warranty information.
Lamp warranty subject to terms and conditions, verification and approval. Applies to manufacturer's installed lamp only. All accessory lamps purchased separately are warranted for 90 days.

Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:

1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
   - **a.** Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
   - **b.** Repair or attempted repair by anyone not authorized by ViewSonic.
   - **c.** Any damage of the product due to shipment.
   - **d.** Removal or installation of the product.
   - **e.** Causes external to the product, such as electric power fluctuations or failure.
   - **f.** Use of supplies or parts not meeting ViewSonic's specifications.
   - **g.** Normal wear and tear.
   - **h.** Any other cause which does not relate to a product defect.
3. Any product exhibiting a condition commonly known as "image built-in" which results when a static image is displayed on the product for an extended period of time.
4. Removal, installation, and set-up service charges.

How to get service:

1. For information about receiving service under warranty, contact ViewSonic Customer Support. You will need to provide your product's serial number.
2. To obtain warranted service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product freight prepaid in the original container to an authorized ViewSonic service center or ViewSonic.
4. For additional information or the name of the nearest ViewSonic service center, contact ViewSonic.

Limitation of implied warranties:

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:

ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:

1. Damage to other property caused by any defects in the product, damaged based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercil loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by other party.

Effect of state law:

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Sales outside the U.S.A. and Canada:

For warranty information and service on ViewSonic products sold outside of the U.S.A. and Canada, contact ViewSonic or your local ViewSonic dealer.

Warranty_Projectors Rev. 1d **1 of 1**
4.3: Projector Warranty **Release Date: 03-31-05**

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